



Configuration Management Database (CMDB) and the PCMR Process

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Agenda

- CMDB
- Access to the CMDB
- PCMR Process
- PCMR Entry
- PCMR Query
- For More Information



What is the CMDB?

- A web-based tool that supports the Configuration Management (CM) process across multiple software programs.
- Tracks data throughout the program lifecycle, but does not duplicate functions provided by developers' CM systems.



Benefits of the CMDB

- Provides ready access to CM information and automatic notification to registered users on status changes
- Promotes communication between program management and software users
- Improves the decision making process in resource allocation



Services of the CMDB

- Problem Reports and Change Requests
- Multiple Application Problems
- Requirements
- Points of Contact
- Distribution of Documents and Media
- Library



CMDB

- CMDB is available on Internet and Intelink
- Requires Netscape Navigator 4.0 or Microsoft Explorer 4.0 or higher
- Data is available to registered users upon approval by the Program Manager



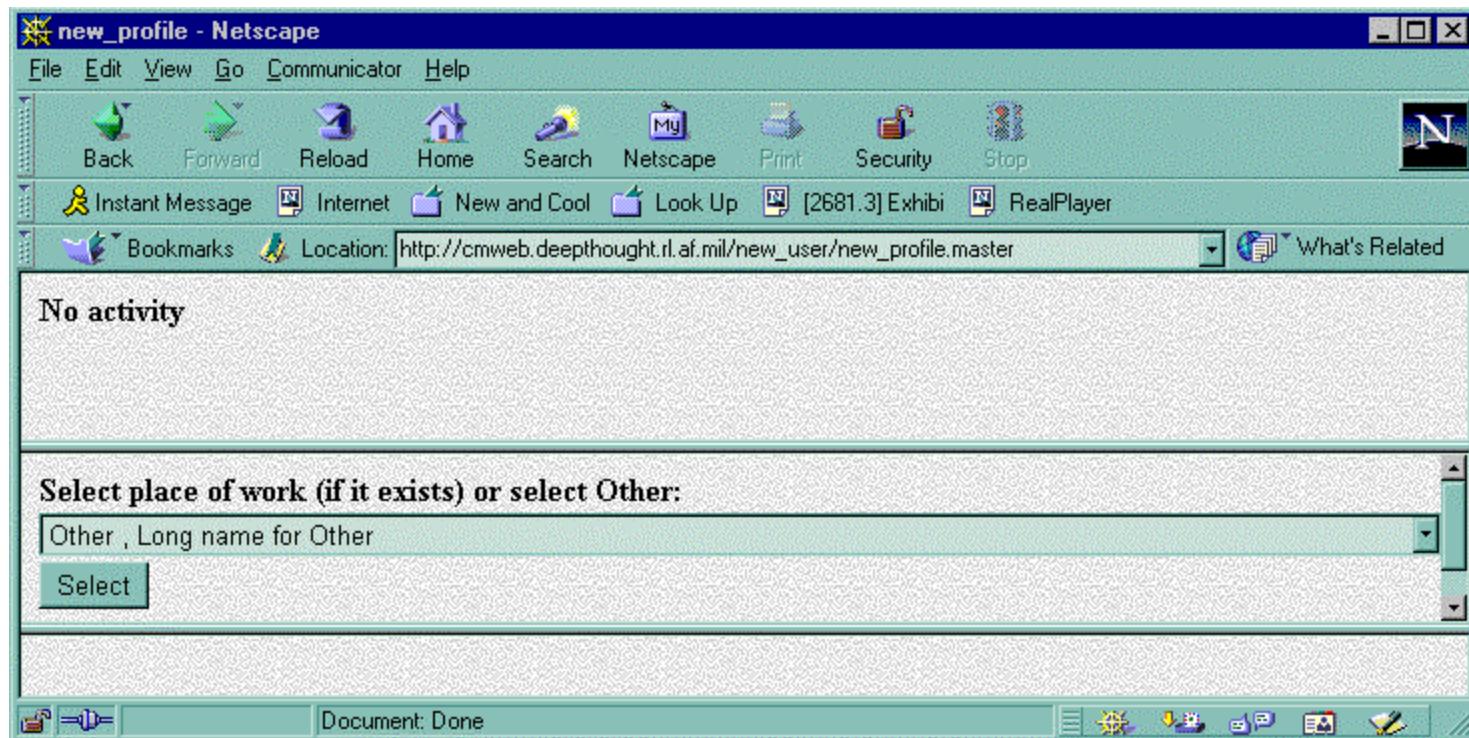
CMDB Access

- Users can gain access to the CMDB by submitting a profile at the following URLs:
 - Internet:
http://cmweb.deepthought.rl.af.mil/new_user/new_profile.master
 - Intelink:
http://athens.rome.ic.gov/new_user/new_profile.master



CMDB Access

■ New Profile Screen





CMDB Access

User Profile INPUT Screen

<u>Office Symbol</u>	<input type="text"/>	<u>Created</u> 15-NOV-00
<u>*First Name</u>	<input type="text"/>	<u>*Last Name</u> <input type="text"/>
<u>Title (Col, Lt)</u>	<input type="text"/>	<u>Suffix (Sr, Jr)</u> <input type="text"/>
<u>*Address</u>	USSTRATCOM/J224 901 SAC BLVD., SUITE M121	
<u>*Commercial Phone</u>	<input type="text"/> [AreaCo] <input type="text"/> [Exchg] <input type="text"/> [Line one]	<u>Additional Phone</u> <input type="text"/> [Line two] <input type="text"/> [Ext] <input type="text"/> [Fax]
<u>Foreign Phone</u>	<input type="text"/>	<u>StuIII Phone</u> <input type="text"/>
<u>Email</u>	<input type="text"/>	
<u>Additional Information</u>	<input type="text"/>	
Select your POC status for: "SAO-1"		
<u>*POC Info</u>	<input checked="" type="radio"/> NOT A POC <input type="radio"/> GOVT PRIMARY <input type="radio"/> GOVT ALTERNATE	<input type="radio"/> SITE REP <input type="radio"/> DEVELOPER <input type="radio"/> CONTRACTOR



CMDB Access

Subscribe to the application(s) of your choice. Indicate AIG status for each.

APPLICATION	SUBSCRIBE		AIG STATUS		
	YES	NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
CSE-SS	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
CSP HOL	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
DII COE 4.1.2	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
DMB	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
DODHS INSTRUCTIONS	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
EAC	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
ECM	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
IESS	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
TEL-SCOPE	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
TPOC	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO
TRAINING	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input checked="" type="radio"/> NONE	<input type="radio"/> ACTIVE	<input type="radio"/> INFO

Enter your Access Justification

Submit

Reset



CMDB Access

- The profile is forwarded to the Program Office for approval
- Upon approval the user is notified of their username and the URL to access the database
- Access to data is based on role (User, Developer, Program Manager)



New PCMR Number

- The PCMR number is system generated by the CMDB in the following format:
- Site ID - Application - Year - Sequence#
 - the sequence # is the number for the application for that year
- Example: SAO-1-IESS-00-023
 - PCMR from USSTRATCOM for IESS and is the 23rd PCMR for the year 2000



PCMR Process

- User Identifies a software issue
- Notifies the Program Office by one or more of the following ways:
 - Entering PCMR into the CMDB
 - Utilizing forms on the CM Home Page
 - Email, Fax, or Phone
- Originator is notified upon entry in the CMDB



PCMR Process

■ Verification

- PMO verifies PCMR feasibility and validity
 - Coordinates with 497IOG
 - 497IOG validates to PMO
 - PMO requests Workplan from developer
 - Workplan evaluated
 - CCB Review
 - Tasking approved and incorporated into a patch or release
 - Patch or release passes testing
 - Distributed to operational sites



PCMR Process

- Verification (con't)
 - Site validates or invalidates PCMRs originating from their site within 45 days of release



PCMR Process

■ Problem Report Impact Codes

– Impact Code 1

- Prevents the accomplishment of an essential capability. Jeopardizes safety, security, or any other requirement designated as "critical"
- Contact the Program Manager by telephone providing a brief description of the problem
- All Priority 1 PRs and Security Vulnerabilities, regardless of Impact Code, are considered SECRET classification and submitted via Message Traffic or Intelink only



PCMR Process

- Problem Report Impact Codes
 - Impact Code 2
 - Adversely affects the accomplishment of an essential capability and no workaround is known
 - Impact Code 3
 - Adversely affects the accomplishment of an essential capability, but a workaround exists



PCMR Process

- Problem Report Impact Codes
 - Impact Code 4
 - Results in user/operator inconvenience or annoyance but does not affect a required operational or mission essential capability
 - Impact Code 5
 - Any other error



PCMR Entry

- PCMRs can be submitted in one of the following ways:
 - Entering PCMR into the CMDB
 - Utilizing forms on the CM Home Page
 - Internet: www.if.afrl.af.mil/programs/cm/
 - Intelink: web1.rome.ic.gov/cm/
 - Email, Fax, or Phone
- The preferred way is through the CMDB



PCMR Entry

- If CMDB entry is not possible, the following information is needed:
 - Classification
 - Application and Version
 - Impact Code
 - Description (including Temporary and Permanent Fix)
 - POC (Name, Office, Phone (Comm or DSN))



PCMR Entry

- Users who have access to the CMDB, log into the CMDB through one of the following URLs:
 - Internet:
http://cmweb.deepthought.rl.af.mil/cm/cmdb_cm.master
 - Intelink:
http://athens.rome.ic.gov/cm/cmdb_cm.master



User: **FARLEYBA**

Home Page (CMDB v2.0)

[Open All](#) [Close All](#)

▼ **Tracking**

[Action Item \(Query\)](#)

[Action Item \(New Record\)](#)

[Document Review Report \(Query\)](#)

[Document Review Report \(New Record\)](#)

[PR/CR/MAP/REQ\(Query\)](#)

[PR/CR/MAP/REQ\(New Record\)](#)

[Test Finding \(Query\)](#)

[Test Finding \(New Record\)](#)

[Workplan \(Query\)](#)

▼ **Documents**

[CMDB](#)

[CSE-SS](#)

[MRS](#)

PCMR Entry

Welcome to the Configuration Management Database (CMDB)

New Messages:

- 25-SEP-00 - Welcome to the new release of CMDB v2.0. There is a new url for CMDB v2.0, it is http://cmweb.deepthought.rl.af.mil/cm/cmdb_cm.master, please bookmark this. There will be a TEMPORARY alias in place if you use the old url http://tully.deepthought.rl.af.mil/cm/cmdb_cm.master.
- 26-SEP-00 - For more information about CMDB v2.0 enhancements, check out the What's New in CMDB 2.0 on our Introduction Home Page.

What's New In CMDB 2.0

[Introduction](#)

[Action Item \[New Record\]](#)

[Document Review Report \[New Record\]](#)

[PCMR \[New Record\]](#)



PCMR Entry

- On the menu locate Tracking and select PCMR (New Record)
- Fill in Originator Impact, Application, Version, Type, Title and Description
- Click on SUBMIT

Problem Report/Change Request/Multiple Application Problem/Requirement (PCMR)

ONLY PROCESS CLASSIFIED INFORMATION ON THE JWICS CMDB SYSTEM
AN IMPACT CODE 1 IS CONSIDERED CLASSIFIED

<u>*Originator (And Site)</u> Farley, Barbara * AFRL/IFEB/CM	<u>*Originator Impact</u> 1
<u>Created</u> 15-NOV-00 (DD-MMM-YY)	
<u>*Application</u>	<u>*Version</u>
<u>Operating System</u>	<u>*Type</u>
<u>Test Phase</u>	<u>*Classification</u> U
<u>Functional Area</u>	
<u>*Title</u>	
<u>*Description</u>	
<u>Source</u>	
<u>Additional Information</u>	
<u>Impact</u>	<u>Projected Version</u>



PCMR Query

- On the menu locate Tracking and select PCMR (Query)
- Fill in the information you wish to query on
- Click on Query

Problem Report/Change Request/Multiple Application Problem/Requirement (PCMR)
ONLY PROCESS CLASSIFIED INFORMATION ON THE JWICS CMDB SYSTEM

<u>Originator</u>	<u>Site_id</u>	<u>Originator Impact</u>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Created</u> (DD-MMM-YY)	<input type="text"/>	<u>Updated</u> (DD-MMM-YY)
<u>PCMR No.</u>	<input type="text"/>	<u>Impact</u> <input type="text"/>
<u>Application</u>	<input type="text"/>	<u>Version</u> <input type="text"/>
<u>Operating System</u>	<input type="text"/>	<u>Type</u> <input type="text"/>
<u>Test Phase</u>	<input type="text"/>	<u>Classification</u> <input type="text"/>
<u>Functional Area</u>	<input type="text"/>	
<u>Title</u>	<input type="text"/>	
<u>Description</u>	<input type="text"/>	
<u>Source</u>	<input type="text"/>	
<u>Additional Information</u>	<input type="text"/>	
<u>Restricted</u> <input type="checkbox"/>	<u>Lifecycle Completed</u> <input type="checkbox"/>	
<u>Projected Version</u>	<u>Fixed Version</u> <input type="checkbox"/>	
Current Status		
<u>Orig Status</u>	<u>Updated</u> (DD-MMM-YY)	<u>Orig Person</u>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>DEV Status</u>	<u>Updated</u> (DD-MMM-YY)	<u>DEV Person</u>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>CM/PM Status</u>	<u>Updated</u> (DD-MMM-YY)	<u>CM/PM Person</u>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>WP Request Date</u> (DD-MMM-YY)	<u>WP Approved Date</u> (DD-MMM-YY)	
<input type="button" value="Reset"/> <input type="button" value="Query"/>		



For More Information

Configuration Management

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